

Environmental Chemists, Inc.

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December 14, 2018

Brunswick County Public Utilities Post Office Box 249 Bolivia, NC 28422 Attn: Glenn Walker

Report #2018-18990 Collected – November 15, 2018

Enclosed please find your analytical report.

Sincerely,

Tammy Duran
Environmental Chemists, Inc.

ANALYTICAL RESULTS: Perfluorinated Chemicals by EPA 537 Rev 1.1 Safe Drinking Water Analysis **Customer: Environmental Chemists** NLS Project: 312292

Page 1 of 2

Project Title: Project Description: 537 & GenX Testing

Template: 537PPT2GENX Printed: 12/11/2018 15:52

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perfluorobutanesulfonic acid (PFBS)	ND	por		ມ [ກ [→ 1 → 1		1106
perfluorohexanoic acid (PFHxA)	10.6	pot		0.83) A	MANAGEMENT OF THE PROPERTY OF	
perfluoro-2-propoxypropanoic acid (GenX)	3.73	pot		0.63	20	On a commence of the property of the commence	
perfluoroheptanoic acid (PFHpA)	11.3	pot	· .	0.45	11.0		
perfluorohexanesulfonic acid (PFHxS)	[3.28]	pot	. Ann	<u>م</u> د د	A -		
perfluorooctanoic acid (PFOA)	7.37	pot		0.70	20:	The second secon	0
perfluorononanoic acid (PFNA)	N	pot	→.	<u>ئ</u> د د د د د د د د د د د د د د د د د د د	4 1		
perfluorooctanesulfonic acid (PFOS)	10.5	tod		<u></u>	47	The state of the s	
perfluorodecanoic acid (PFDA)	N	ppt		12	သ . သ		
perfluoroundecanoic acid (PFUnA)	NO	ppt		12	3.7		7.000
perfluorododecanoic acid (PFDoA)	ND	<u> </u>		0.95	3.0		
perfluorotridecanoic acid (PFTrDA)	ND	ppt		0.97	ω		
perfluorotetradecanoic acid (PFTA)	N	, 100 100		0.88	28		
C13-PFHxA (SURR)	84,071%			0.00	1.0		0
C13-PFDA (SURR)	86.643%						n

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method.

ANALYTE NAME	RESULT	UNITSWWB	DIL LOD	- - - -	MCL	Note
perfluorobutanesulfonic acid (PFBS)	ND	jag	1 3.6			
perfluorohexanoic acid (PFHxA)	12.9	pot	0.83	٠ م	11 pt - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
perfluoro-2-propoxypropanoic acid (GenX)	10.1	ppt	0.63	20	The state of the s	
perfluoroheptanoic acid (PFHpA)	12.3	DOT .	0 45	- 1. c		
perfluorohexanesulfonic acid (PFHxS)	[2 77]	337		Y 4		THE PROPERTY AND A STATE OF THE PROPERTY OF TH
perfluorooctanoic acid (PFOA)	8.19	27.	1 0 70	ر - د د		J
perfluorononanoic acid (PFNA)	N		<u>م</u> .	A . i		
perfluorooctanesulfonic acid (PFOS)	12	pot		47	V VVV VV	
periluorodecanoic acid (PFDA)	P	ppt	1.2	38	A CONTRACTOR OF THE PROPERTY O	THE PARTY OF THE P
periluoroundecanoic acid (PHUnA)	8	ppt	1.2	3.7		
periluorogogecanoic acid (PFDoA)	5	ppt	1 0.95	3.0		
periluoroindecanoic acid (PF IrDA)	ND	ppt	1 0.97	3.4		0.000 0
C43 DELLY (CLIDD) CACIO (PF (A)	ND	ppt	1 0.88	2.8		
	68.165%					SR S
C13-PFDA (SURR)	74.255%		_			(A)
NOTES APPLICABLE TO THIS ANALYSIS:						***************************************

J = Result enclosed in brackets is between LOD and LOQ, a region of less certain quantitation. S = This compound is a surrogate used to evaluate the quality control of a method. SR = Surrogate recovery was outside QC limits.

C13-PFHxA recovered below QC limits.

The PFOA branch isotope peak is included in the PFOA calculation per EPA directive.



TRY TOURING ALCHEMISTS, INC

NCDENR: DWQ CERTIFICATION # 94 NCDHHS: DLS CERTIFICATION # 37729

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